APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,726	03/31/2004	Jesse Lipson	4023-001	9869

64843   7590   08/04/2009
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EXAMINER
ZIA, SYED

ART UNIT	PAPER NUMBER
2431	

MAIL DATE	DELIVERY MODE
08/04/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/814,726	LIPSON, JESSE
	Examiner	Art Unit	
	SYED ZIA	2431	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>23 March 2009</u>.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-39</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-39</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

This office action is in response to amendment and remarks filed March 23, 2009.
Claims 1-39 are pending.

Response to Arguments

Applicant's arguments filed March 23, 2009 have been fully considered but they are not persuasive because of the following reasons:

Regarding Claims 1, 12, 22, and 23 applicants argued that the cited prior arts (CPA) [Takagi et al. (U.S. Patent 6,396,926 B1)] do not teach teaches or suggest *"the subject matter as claimed in independent Claims"*.

This is not found persuasive. The system of cited prior art teaches a cryptographic method in authentication system that involves the method of obtaining encrypted sentence based on preset relationship between predefined secret and public representation key values. The encrypted sentence is obtained based on preset relationship between secret values (p1,p2...pN) and public representation key values (p1,k1, p2,k2..pNkN) and other public representation key values (e) and secret key values (d). In the system of cited prior art, public representation key N is the product of the secret key values and k values where k is positive integer. Then public representation key values are calculated based on predefined relationship

between secret key values and public representation key values (Fig.1-5, and col.13 line 45 to col.17 line 15).

As a result, the system of cited prior art does implement and teaches a public key cryptography schemes to allow for decryption of messages using less than all of the prime factors of the modulus that is used for encryption of the messages.

Applicants clearly have failed to explicitly identify specific claim limitations, which would define a patentable distinction over prior arts.

The examiner is not trying to teach the invention but is merely trying to interpret the claim language in its broadest and reasonable meaning. The examiner will not interpret to read narrowly the claim language to read exactly from the specification, but will interpret the claim language in the broadest reasonable interpretation in view of the specification. Therefore, the examiner asserts that cited prior art does teach or suggest the subject matter broadly recited in independent Claims and in subsequent dependent Claims. Accordingly, rejections for claims 1-39 are respectfully maintained.

Claim Rejections - 35 USC § 101

Previous rejection of Claims 1-39 are rejected under 35 U.S.C. 101 has been withdrawn.

Claim Rejections - 35 USC § 112

Applicant amended the Claims, previous rejection under 35 U.S.C. 112has been withdrawn.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on
sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-39 are rejected under 35 U.S.C. 102(b) as being anticipated by Takagi et al.

(U.S. Patent 6,396,926 B1).

1.   Regarding Claim 1, Takagi teach and describe a system for encrypting/decrypting

messages, comprising: a public key cryptosystem further comprising a computer operable for

generating keys for use with messages that have been encrypted and/or decrypted wherein the

public key cryptosystem having a predetermined number of prime factors used for the generation

of a modulus N and an exponent e; wherein a proper subset of the prime factors of the modulus

N, along with the exponent e, are required to decrypt messages that are encrypted using the

public exponent e and the public modulus N, where e and N are calculated using RSA methods,

and encryption occurs using RSA methods (Fig.1-5, and col.13 line 45 to col.17 line 15).

2.   Regarding Claim 2, Takagi teach and describe a method for encrypting/decrypting

messages comprising the steps of: providing a public key cryptosystem including a computer

operable to generate at least one key for encrypting/decrypting at least one message, the public

key cryptosystem having a predetermined number of prime factors used for the generation of a

modulus N and an exponent e; wherein a proper subset of the prime factors of the modulus N are

required to decrypt messages that are encrypted using the public exponent e and the public

modulus N, where e and N are calculated using RSA methods, and encryption of the message

occurs using RSA methods (Fig.1-5, and col.13 line 45 to col.17 line 15)..

3.   Regarding Claim 3, Takagi teach and describe a method for encrypting/decrypting

messages comprising the steps of: encrypting on a computer a plaintext message M into a

ciphertext message C using any method that produces a value equivalent to $C=M^e \bmod N$,

where $0 \mathrel{.} \text{ltoreq} \mathrel{.} M < N_{.sub.d}$, such that the ciphertext C can be decrypted into the plaintext message

M using only e and the prime factors of $N_{.sub.d}$ N being the product of all of the numbers in the

set S; S being a set of at least two prime numbers, $p_{.sub.1} \ldots p_{.sub.k}$, where k is an integer

greater than 1; e being a number; $S_{.sub.d}$ being a proper subset of S; $N_{.sub.d}$ being the product

of all of the numbers in the set $S_{.sub.d}$ (Fig.1-5, and col.13 line 45 to col.17 line 15).

4.   Regarding Claim 5, Takagi teach and describe a method for decrypting encrypted

messages comprising the steps of: determining if a derived modulus $N_{.sub.d}$ is a squarefree

number, and if so, decrypting on a computer ciphertext C into message M wherein message M

was originally an encrypted message that is transformed into electronic, decrypted message M

using any method that produces a value equivalent to $M=C^d \bmod N_{.sub.d}$, where d is

generated using the following steps: calculating the number $Z_{.sub.d}$ as the product of each prime

factor of $N_{.sub.d}$ minus 1, $(N_{.sub.d1}-1)^* \ldots (N_{.sub.dj}-1)$ for prime factors of $N_{.sub.d}$ 1 to j,

where j is the number of prime factors in $N_{.sub.d}$; generating the exponent d such that the

following relationship is satisfied: $e^*d=1 \bmod Z_{.sub.d}$ (Fig.1-5, and col.13 line 45 to col.17 line

15).

5.   Regarding Claim 9, Takagi teach and describe a method for decrypting encrypted

messages, comprising the steps of: decrypting on a computer the ciphertext message C to the

plaintext message M by determining if the derived modulus N.sub.d is squareful number, and if

so; calculating separate decryption exponents d.sub.nd1 . . . d.sub.ndj for all distinct prime

factors of N.sub.d 1 to j, where j is the number of distinct prime factors in N.sub.d so that the

following relationship is satisfied for each distinct member of N.sub.d: e*d.sub.ndi=1 mod

(N.sub.di-1); for each distinct prime factor of N.sub.d, N.sub.di, calculating a value b.sub.di as

the number of times that N.sub.di occurs as a prime factor in N.sub.d; calculating M.sub.i for

each distinct prime factor of N.sub.d, N.sub.di; and using all values of M.sub.i, N.sub.di,

d.sub.ndi, and b.sub.di to transform the plain text message M and to restore the plaintext

message M from encrypted to a decrypted form (Fig.1-5, and col.13 line 45 to col.17 line 15).

6.   Regarding Claim 12, Takagi teach and describe a public key cryptosystem where

messages are decrypted on a computer using a set of prime numbers S and the public exponent e,

and messages are encrypted using a modulus N.sub.p that is calculated as the product of a set of

numbers that is a proper superset of S, and encryption occurs with standard RSA methods using

the public exponent e and the modulus N.sub.p (Fig.1-5, and col.13 line 45 to col.17 line 15).

7.   Regarding Claim 13, Takagi teach and describe a method for encrypting/decrypting

messages, comprising the steps of: Encrypting on a computer a plaintext message M into a

ciphertext message C using any method that produces a value equivalent to C=M.sup.e mod

N.sub.p, where 0.ltoreq.M<N such that the ciphertext C can be decrypted into the plaintext

message M using e and the prime factors of N N being the product of all of the numbers in the

set S; S being a set of at least one prime number, p.sub.1 . . . p.sub.k, where k is an integer

greater than 0; S.sub.p being a proper superset of S; N.sub.p being the product of all of the

numbers in the set S.sub.p; e being a number (Fig.1-5, and col.13 line 45 to col.17 line 15).

8.   Regarding Claim 16, Takagi teach and describe a method for decrypting encrypted

messages, including the steps of: Decrypting on a computer the ciphertext message C to the

plaintext message M by: determining if the derived modulus N is squareful number; if so then,

calculating separate decryption exponents d.sub.n1 . . . d.sub.nj for all distinct prime factors of N

1 to j, where j is the number of distinct prime factors in N so that the following relationship is

satisfied for each distinct member of N: e*d.sub.ni=1 mod (N.sub.i-1); for each distinct prime

factor of N, N.sub.i, calculating a value b.sub.i as the number of times that N.sub.i occurs as a

prime factor in N; calculating M.sub.i for each distinct prime factors of N, N.sub.i; and using

each value of M.sub.i, N.sub.i, b.sub.iand d.sub.ni to restore the plaintext message M (Fig.1-5,

and col.13 line 45 to col.17 line 15)

9.   Regarding Claim 19, Takagi teach and describe a method of decrypting encrypted

messages, including the steps of: Decrypting on a computer the ciphertext message C into the

plaintext message M by: determining if the modulus N is a squarefree number; and if so then,

decrypting ciphertext C into message M using any method that produces a value equivalent to

M=C.sup.d mod N, where d is generated using the following steps: Calculating the number Z as

the product of each prime factor of N minus 1, (N.sub.1-1)* . . . (N.sub.j-1) for prime factors of

N 1 to j, where j is the number of prime factors in N; then generating the decryption exponent d

such that the following relationship is satisfied: e*d=1 mod Z (Fig.1-5, and col.13 line 45 to

col.17 line 15).

10.   Regarding Claim 23, Takagi teach and describe a method for encrypting/decrypting

messages comprising the steps of: Encrypting on a computer a plaintext message M into a

ciphertext message C using any method that produces a value equivalent to C=M.sup.e mod

N.sub.p, where 0.ltoreq.M<N, such that the ciphertext C can be decrypted into the plaintext

message M using e and the prime factors of N. N being the product of all of the members of set

S; S being a set of at least two numbers, p.sub.1 . . . p.sub.k where k is an integer greater than 1

and all members of S are equal to p.sub.s, which is a prime number; S.sub.p being a superset of

S; N.sub.p being the product of all of the numbers in the set S.sub.p; e being a number (Fig.1-5,

and col.13 line 45 to col.17 line 15).

11.   Regarding Claim 26, Takagi teach and describe a method of decrypting encrypted

messages, including the steps of: Decrypting on a computer the ciphertext message C to the

plaintext message M by: Calculating b as the number of times that the number p, occurs as a

prime factor in N; Generating an exponent d such that the following equation is

satisfied:e*d=1mod(p.sub.s-1);Using Hensel Lifting to transform C into M with d, p.sub.s, and b

as input values (Fig.1-5, and col.13 line 45 to col.17 line 15).

12.   Regarding Claim 27, Takagi teach and describe a method for encrypting/decrypting messages, comprising the steps of: Encrypting on a computer a plaintext message M into a ciphertext message C using any method that produces a value equivalent to $C = M.sup.e \mod N.sub.p$, where $0.ltoreq.M < p$, such that the ciphertext C can be decrypted into the plaintext message M using e and p p being a prime number; S being a set containing only the number p; S.sub.p being a superset of S; N.sub.p being the product of all members of the set S.sub.p; e being a number (Fig.1-5, and col.13 line 45 to col.17 line 15).

13.   Regarding Claim 30, Takagi teach and describe a method for decrypting encrypted messages, comprising the steps of: Decrypting on a computer using any method that produces a value equivalent to as $M = C.sup.d \mod p$, where d is generated using the following step: Calculating d such that the following equation is satisfied:$e*d = 1 \mod(p-1)$- (Fig.1-5, and col.13 line 45 to col.17 line 15).

13.   Regarding Claim 31, Takagi teach and describe a method for establishing cryptographic communications, comprising the steps of: calculating a composite number N, which is formed from the product of distinct prime numbers S, p.sub.1, . . . p.sub.k where $k.gtoreq.1$. Encoding a plaintext message M, to a ciphertext C, where M corresponds to a number representative of a message and $0.ltoreq.M < S$; generating an exponent e; transforming on a computer said plaintext, M, into said ciphertext, C, where C is developed using any method that produces a value equivalent to $C = M.sup.e \mod N$, such that ciphertext C can be decrypted into plaintext M using

only e and S (Fig.1-5, and col.13 line 45 to col.17 line 15).

14.   Regarding Claim 34, Takagi teach and describe a method for decrypting encrypted
messages, comprising the steps of: decoding on a computer the ciphertext message C to the
plaintext message M, wherein said decoding comprises the step of: transforming said ciphertext
message C to plaintext M, using any method that produces a value equivalent to M=C.sup.d mod
S, where d is generated using the following step: generating d such that e*d=1 mod (S-1) (Fig.1-
5, and col.13 line 45 to col.17 line 15).

15.   Regarding Claim 35, Takagi teach and describe a system for encrypting and decrypting
electronic communications including a network of computers and/or computer-type devices,
such as personal data assistants (PDAs), mobile phones and other devices, in particular mobile
devices capable of communicating on the network; generating at least one private key and at
least one public key, wherein the at least one private key is determined based upon any one of a
multiplicity of prime numbers that when multiplied together produce N, which is the modulus for
at least one of the public keys (Fig.1-5, and col.13 line 45 to col.17 line 15).

16.   Regarding Claim 36, Takagi teach and describe a method for public key decryption
where less than all of the distinct prime factors of a number N are used to decrypt a ciphertext
message C into plaintext message M, where encryption on a computer occurs with the public key
{e, N} using any method that produces a value equivalent to C=M.sup.e mod N (Fig.1-5, and
col.13 line 45 to col.17 line 15).

17.   Regarding Claim 37, Takagi teach and describe a method for public key encryption with a public key {e, N} where a plaintext message M is encrypted on a computer into a ciphertext message C using any method that produces a value equivalent to C=M.sup.e mod (N*X), where N is the public modulus and X is any integer greater than 1 (Fig.1-5, and col.13 line 45 to col.17 line 15).

18.   Regarding Claim 38, Takagi teach and describe a method for public key decryption of a message that has been encrypted with the public key {e, N} where a ciphertext message C is decrypted on a computer into a plaintext message M using any method that produces a value equivalent to M=C.sub.d mod N.sub.d, where N.sub.d is the product of less than all of the prime factors of the public modulus N and d satisfies the equation e*d=1 mod Z, where Z is the product of each of the k prime factors of N.sub.d minus 1, (p.sub.1-1)* . . . (p.sub.k-1) (Fig.1-5, and col.13 line 45 to col.17 line 15).

19.   Regarding Claim 39, Takagi teach and describe a method for public key decryption of a message that has been encrypted on a computer using any method that produces a value equivalent to C=M.sup.e mod N, where a ciphertext message C is decrypted into a plaintext message M using any method that produces a value equivalent to M=C.sup.d mod N.sub.d, where N.sub.d is the product of less than all of the prime factors of the public modulus N and d satisfies the equation e*d=1 mod Z, where Z is the product of each of the k prime factors of N.sub.d minus 1, (p.sub.1-1)* . . . (p.sub.k-1) (Fig.1-5, and col.13 line 45 to col.17 line 15).

20.   Claims 4, 6-8, 10-11, 14-15, 17-18, 20-22, 24-25, 28-30, and 32-33 are rejected applied

as above rejecting Claims, 3, 5, 9, 13, 19, 27, and 31. Furthermore, Takagi teach and describe a

public key cryptographic system and method wherein:

As per Claim 4, the step of generating the exponent e includes calculating the exponent e

as a number that is relatively prime to the product of each distinct prime factor of N minus 1,

$(N.sub.1-1)* \ldots (N.sub.j-1)$ for distinct prime factors of N 1 to j, where j is the number of

distinct prime factors in N, or choosing the exponent e as a small prime number (col.9 line 5 to

col.11 line 45).

As per Claim 6, further including the step of: directly calculating $M=C.sup.d$ mod

N.sub.d ((col.9 line 5 to line 65).

As per Claim 7 further including the steps of: calculating separate decryption exponents

d.sub.ndl . . . d.sub.ndj for all prime factors of N.sub.d 1 to j, where j is the number of prime

factors in N.sub.d so that the following relationship is satisfied for each member of N.sub.d:

$e*d.sub.ndi=1$ mod (N.sub.di-1); and performing decryptions of the form

$M.sub.i=C.sup..sub.dndi$ mod N.sub.di for all prime factors of N.sub.d from 1 to j, where j is the

number of prime factors in N.sub.d, and then using the values of each M.sub.i and N.sub.di to

reconstruct M (col.9 line 5 to col.11 line 45).

As per Claim 8, the values of each M.sub.i and N.sub.di restore the plaintext message M

using the Chinese Remainder Theorem and/or Gamer's algorithm (col.9 line 5 to col.11 line 45).

As per Claim 10, further including the steps of: using Hensel Lifting to calculate M.sub.i for each distinct prime factor of N.sub.d, N.sub.di (col.9 line 5 to line 65.

As per Claim 11, further including using techniques such as the Chinese Remainder Theorem and/or Garner's algorithm to use all value of M.sub.i, N.sub.di, d.sub.ndi, and b.sub.di to restore the plaintext message M (col.9 line 5 to col.11 line 45).

As per Claim 14, the step of generating the exponent e includes calculating the exponent e as a number that is relatively prime to the product of each distinct prime factor of N.sub.p minus 1, (N.sub.p-1)* . . . (N.sub.pj-1) for distinct prime factors of N.sub.p 1 to j, where j is the number of distinct prime factors in N.sub.p (col.9 line 5 to col.11 line 45).

As per Claim 15, the step of generating the exponent e includes choosing the exponent e as a small prime number (col.3 line 46 to 4 line 14).

As per Claim 17, where Hensel Lifting is used to calculate M.sub.i for each distinct prime factor of N, N.sub.i (col.9 line 5 to col.11 line 45)..

As per Claim 18, further including using techniques such as the Chinese Remainder Theorem and/or Garner's algorithm to use all value of M.sub.i, N.sub.i, d.sub.ni, and b.sub.i to restore the plaintext message M (col.9 line 5 to col.11 line 45).

As per Claim 20, further including the step of: directly calculating M=C.sup.d mod N (col.9 line 5 to col.11 line 45).

As per Claim 21, further including the steps of: calculating separate decryption exponents d.sub.1 . . . d.sub.j for all prime factors of N 1 to j, where j is the number of prime factors in N so that the following relationship is satisfied for each member of N: e*d.sub.i=1 mod (N.sub.i-1); and performing decryptions of the form M.sub.i =C.sup..sub.di mod N.sub.i for all prime factors

of N from 1 to j, where j is the number of prime factors in N, and then using the values of each

M.sub.i and N.sub.i to reconstruct M (col.9 line 5 to col.11 line 45).

As per Claim 22, the values of each M.sub.i and N.sub.i reconstruct M using the Chinese

Remainder Theorem and/or Garner's algorithm (col.9 line 5 to col.11 line 45).

As per Claim 24, the step of generating the exponent e further includes: Calculating the

exponent e as a number that is relatively prime to the product of all of the distinct prime factors

of N.sub.p minus 1, (N.sub.p-1)* . . . (N.sub.pj-1) for distinct prime factors of N.sub.p 1 to j,

where j is the number of distinct prime factors in N.sub.p (col.9 line 5 to col.11 line 45).

As per Claim 25, the step of generating the exponent e includes choosing the exponent e

as a small prime number (col.3 line 46 to 4 line 14).

As per Claim 28, the step of generating the exponent e further includes: Calculating the

exponent e as a number that is relatively prime to the product of each distinct prime factor of

N.sub.p minus 1, (N.sub.p1-1)* . . . (N.sub.pj-1) for distinct prime factors of N.sub.p 1 to j,

where j is the number of distinct prime factors in N.sub.p (col.9 line 5 to col.11 line 45).

As per Claim 29, the step of generating the exponent e includes choosing the exponent e

as a small prime number (col.3 line 46 to 4 line 14).

As per Claim 32, the step of generating the exponent e further includes: Calculating the

exponent e as a number that is relatively prime to the product of each distinct prime factor of N

minus 1, (N.sub.1-1), . . . (N.sub.j-1) for distinct prime factors of N 1 to j, where j is the number

of distinct prime factors in N (col.9 line 5 to col.11 line 45).

As per Claim 33, the step of generating the exponent e includes choosing the exponent e as a small prime number (col.3 line 46 to 4 line 14).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED ZIA whose telephone number is (571)272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sz
July 30, 2009
/Syed Zia/
Primary Examiner, Art Unit 2431